

## ABSTRACT

A smoke/heat detection system utilizes a FCC pre-certified 916 MHZ analog bandwidth RF transceiver module. Upon sensing smoke the transceiver module inside a plurality of detectors in the system is switched through a relay from standby mode to transmit mode sending a 916 MHZ analog bandwidth radio signal to the other detectors in the group. During the winter holidays a Christmas tree smoke/heat detector incorporating a 916 MHZ analog bandwidth RF transmitter can be attached on a Christmas tree. The ornament housing fits within a 125 cubic inch area.